

FIG. 1

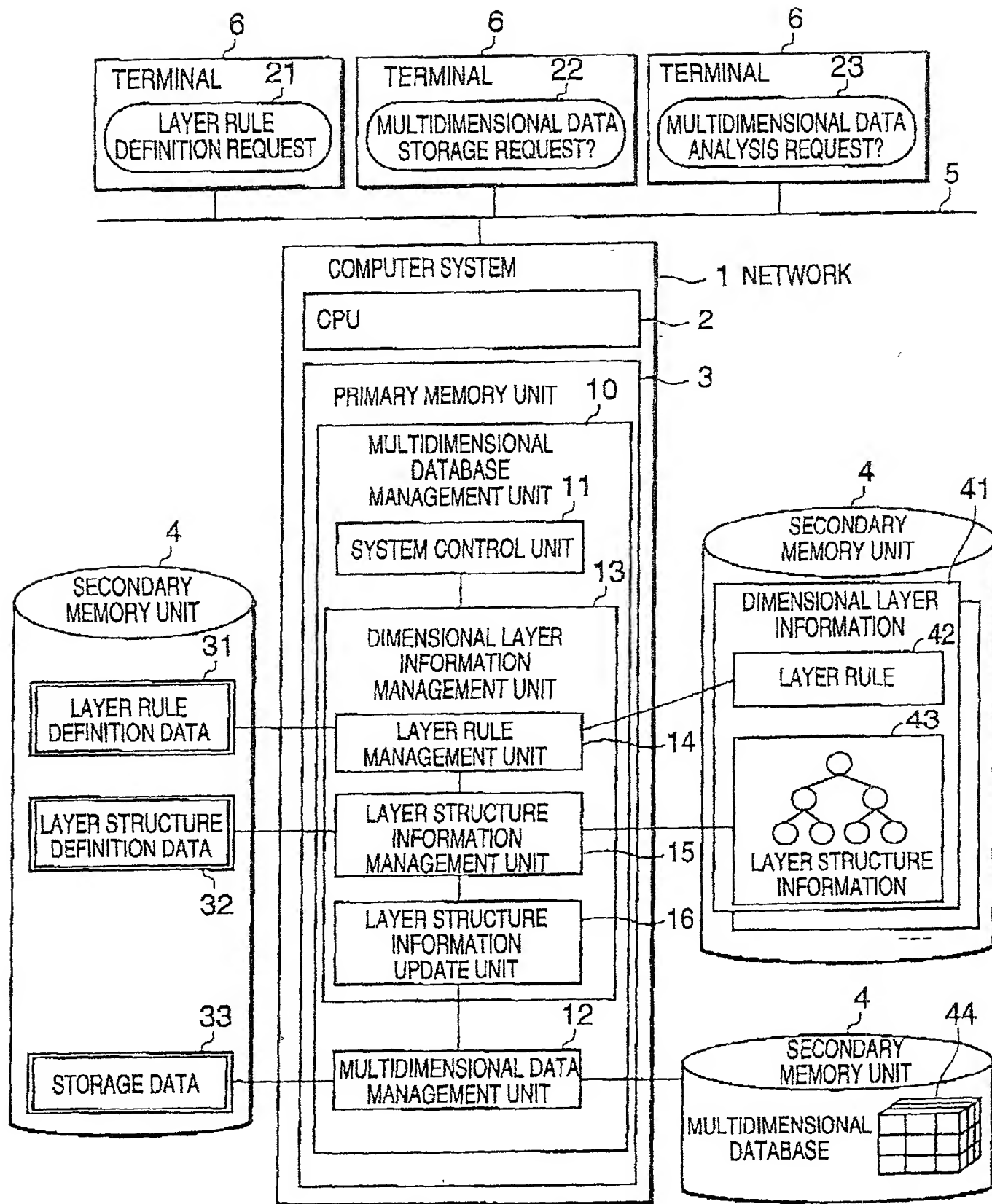


FIG.2

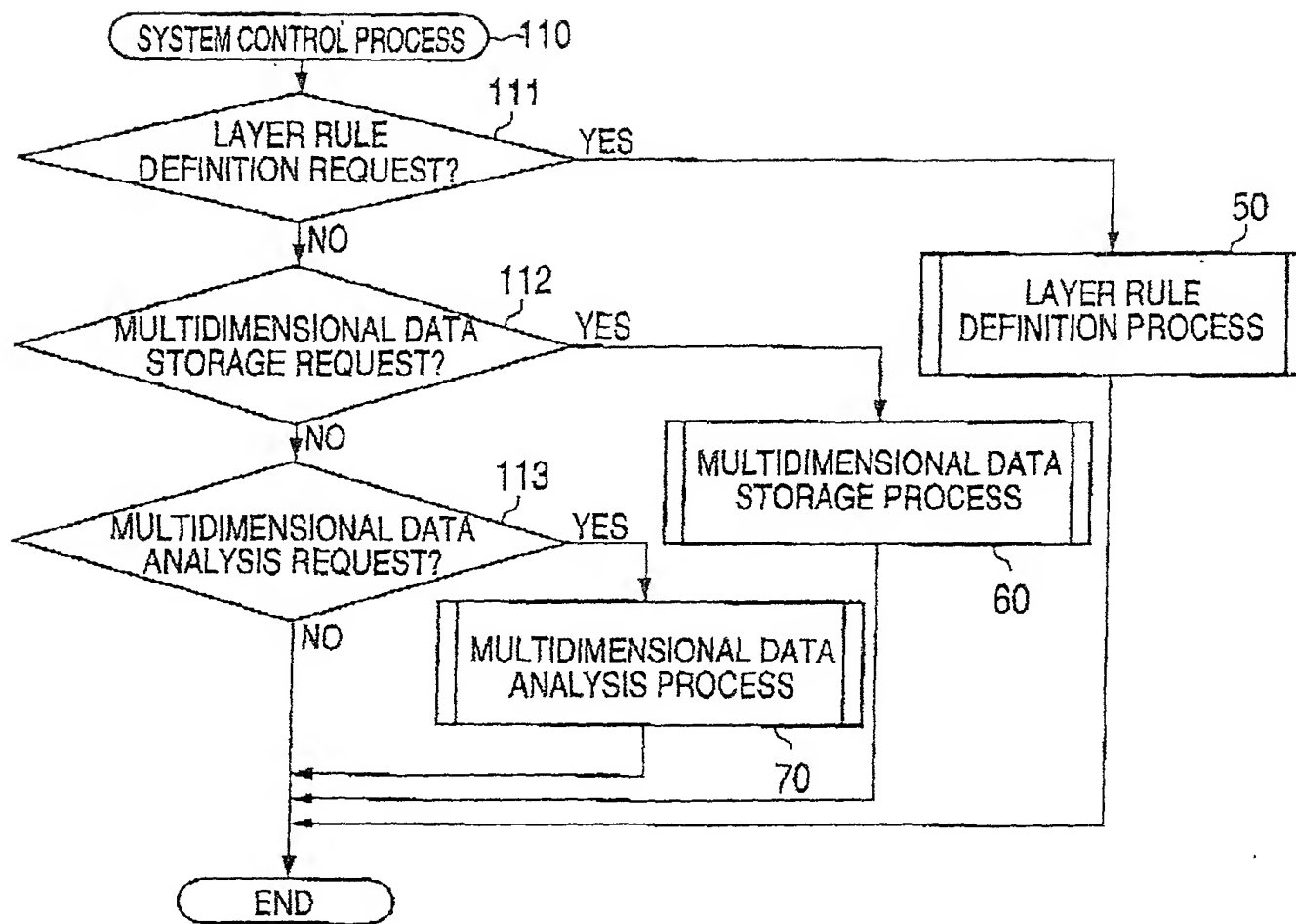


FIG.3

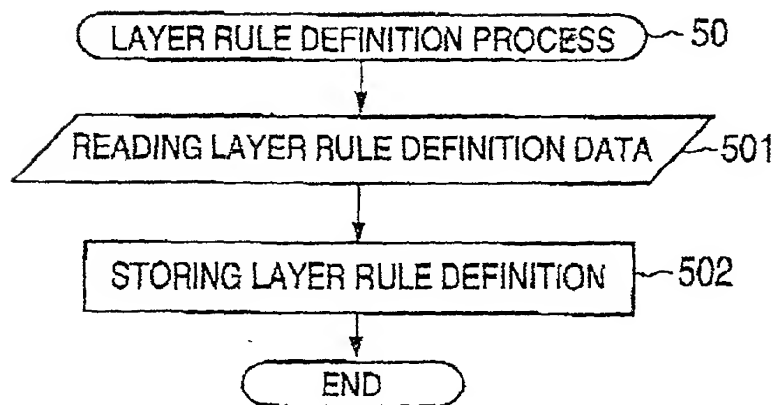


FIG.4

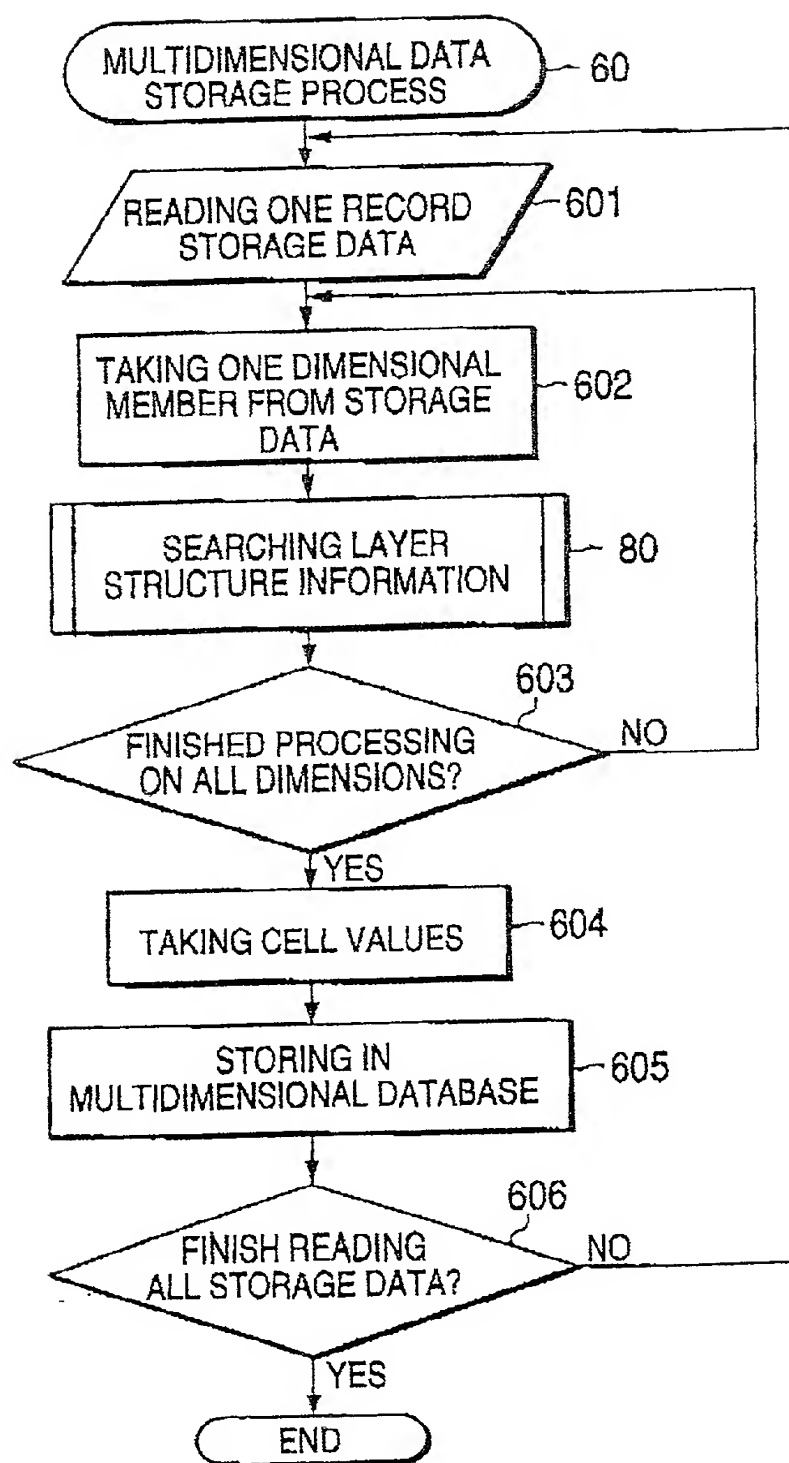
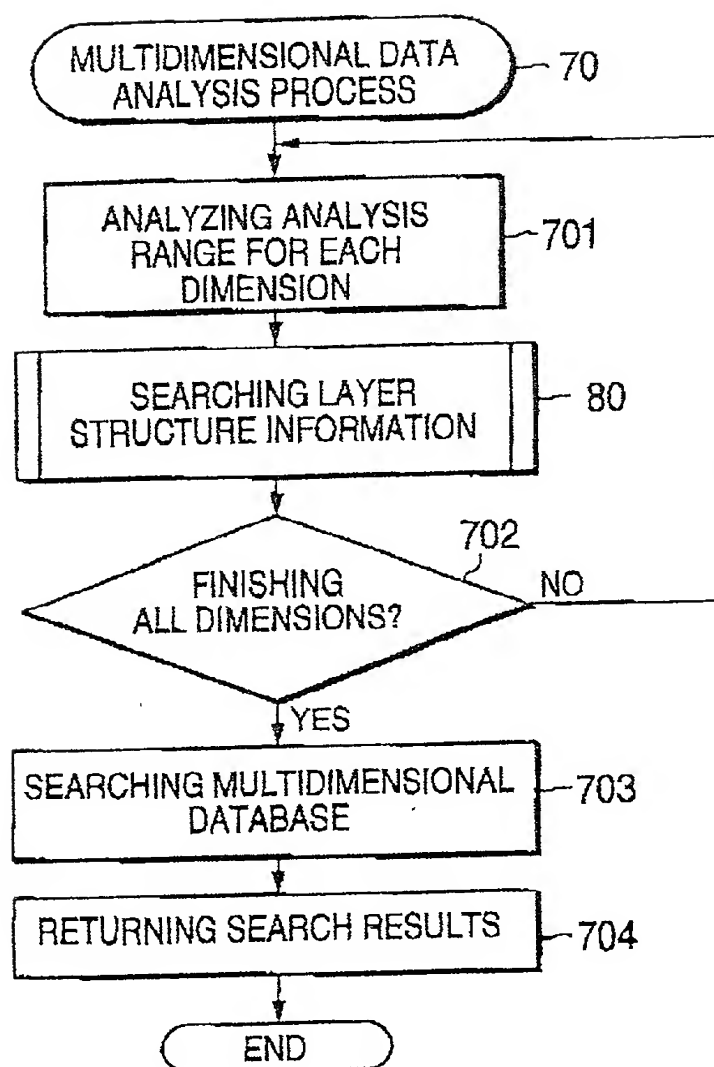


FIG.5



1001549-1001

FIG.6

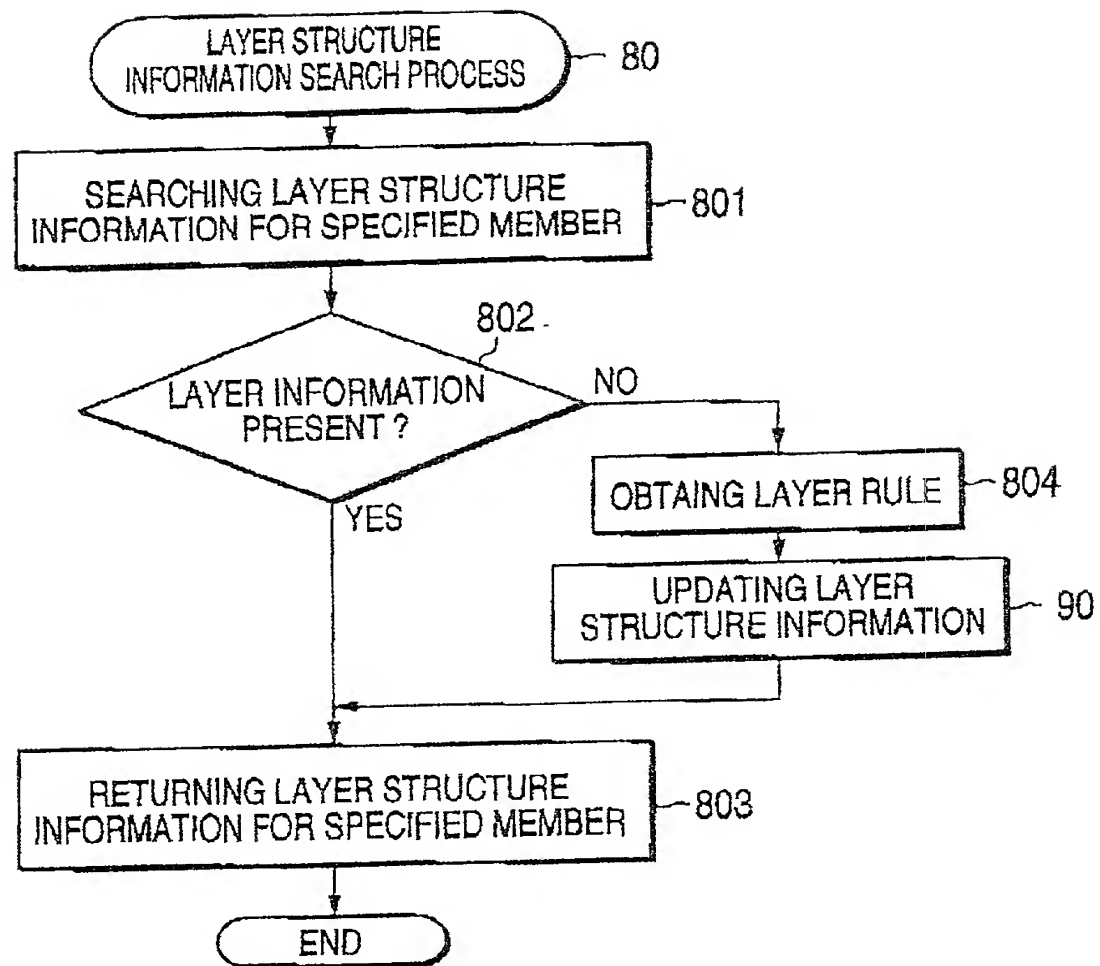


FIG.7

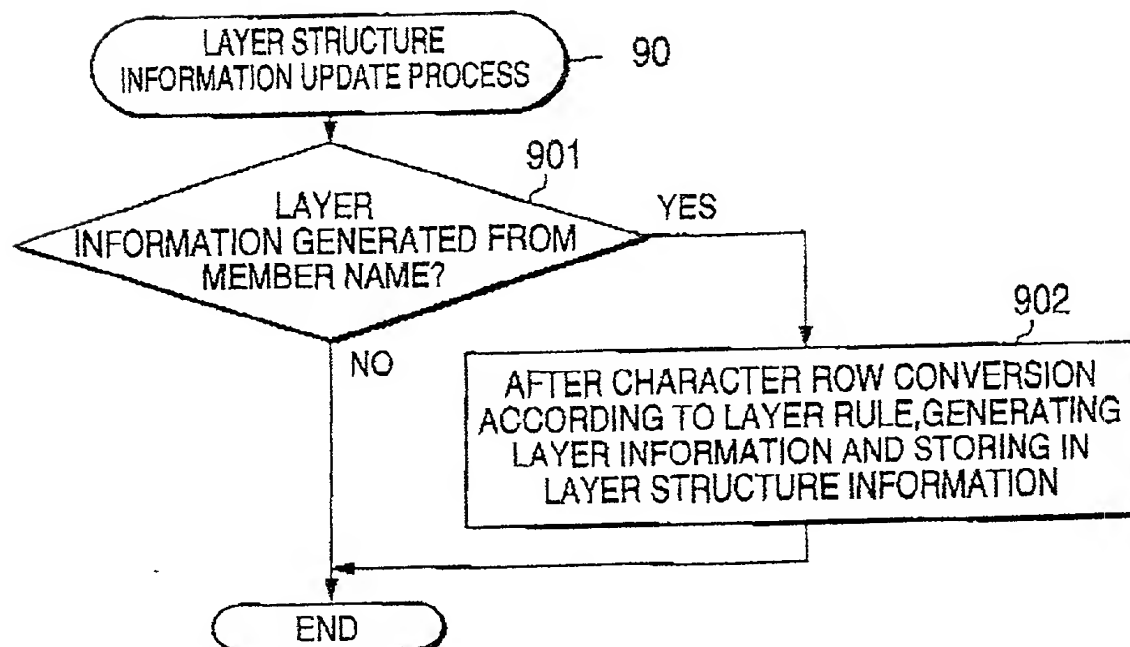


FIG.8

TIME DIMENSIONAL LAYER RULE DEFINITION DATA 3110

```
#LAYER RULE :
#AFTER CHARACTER ROW CONVERSION ON MEMBER, OBTAINING LAYER INFORMATION

FROM MEMBER NAME
LEVEL10= $ MEMBER NAME
LEVEL11={
  S/¥(... ¥)0[123]/¥1Q1/
  S/¥(... ¥)0[456]/¥1Q2/
  S/¥(... ¥)0[789]/¥1Q3/
  S/¥(... ¥)1[012]/¥1Q4/
}
LEVEL12={
  S/¥(... ¥).. /¥1/
}
```

FIG. 9

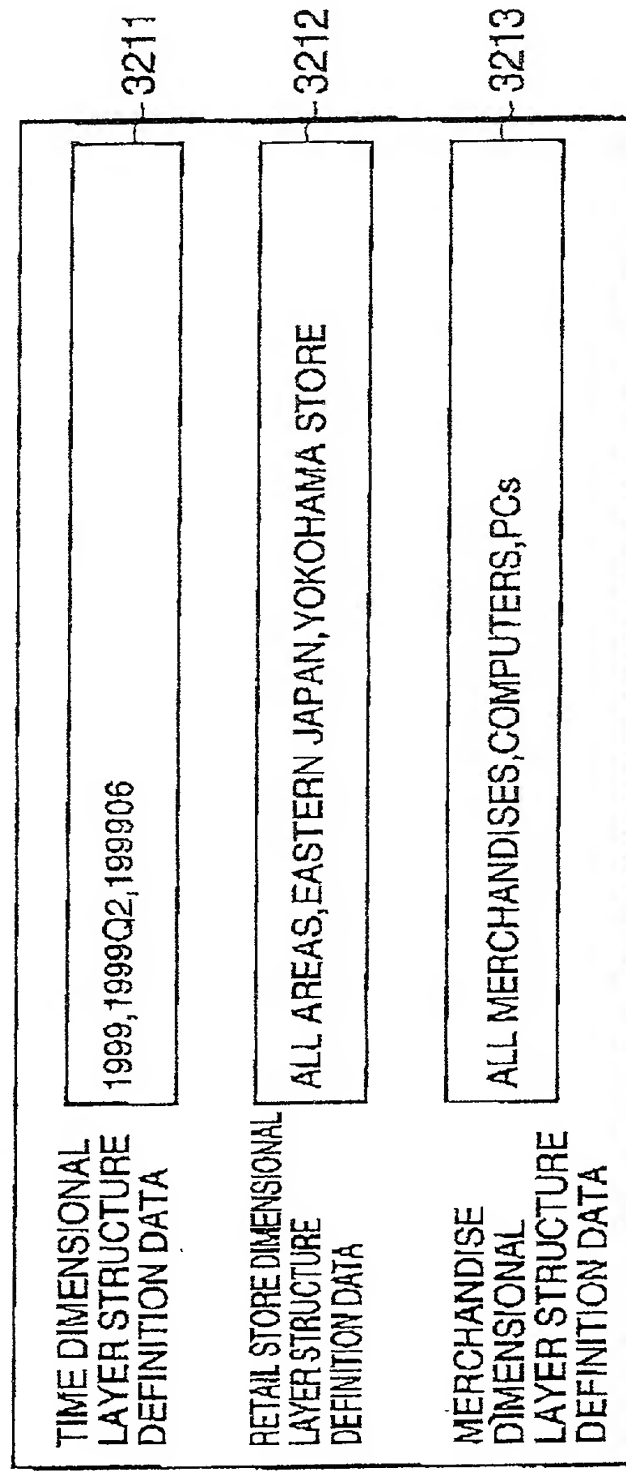


FIG.10

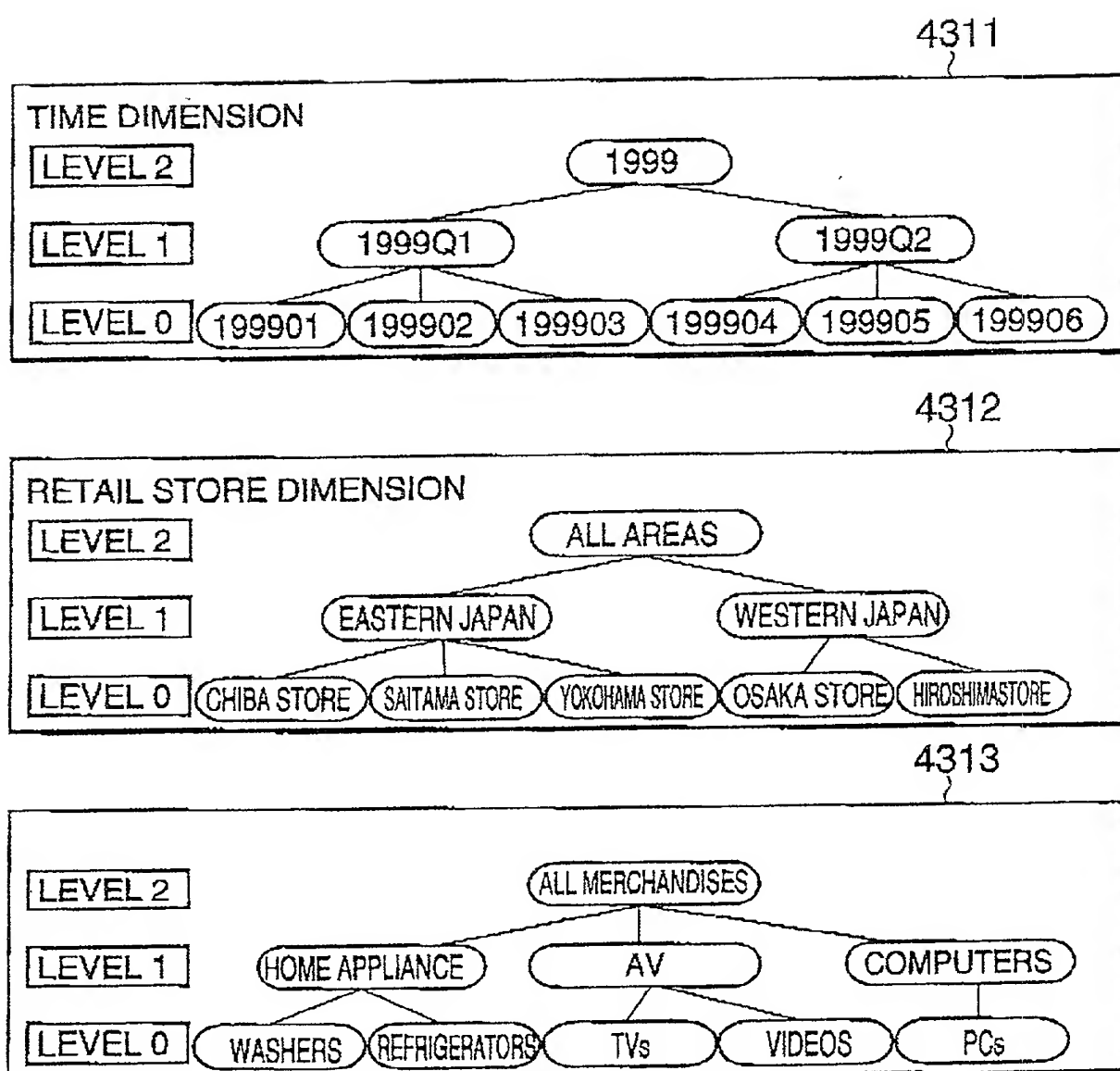


FIG.11

3120
RETAIL STORE DIMENSIONAL LAYER RULE DEFINITION DATA

#LAYER RULE :
#OBTAINING LAYER INFORMATION FROM CSV FORMATTED FILE

FROM FILE,CSV FILE
LEVEL0=COLUMN 3
LEVEL1=COLUMN 2
LEVEL2=COLUMN 1

FIG.12

3126

ALL AREAS,EASTERN JAPAN,CHIBA STORE
ALL AREAS,EASTERN JAPAN,SAITAMA STORE
ALL AREAS,EASTERN JAPAN,YOKOHAMA STORE
ALL AREAS,WESTERN JAPAN,OSAKA STORE
ALL AREAS,WESTERN JAPAN,HIROSHIMA STORE

FIG. 13

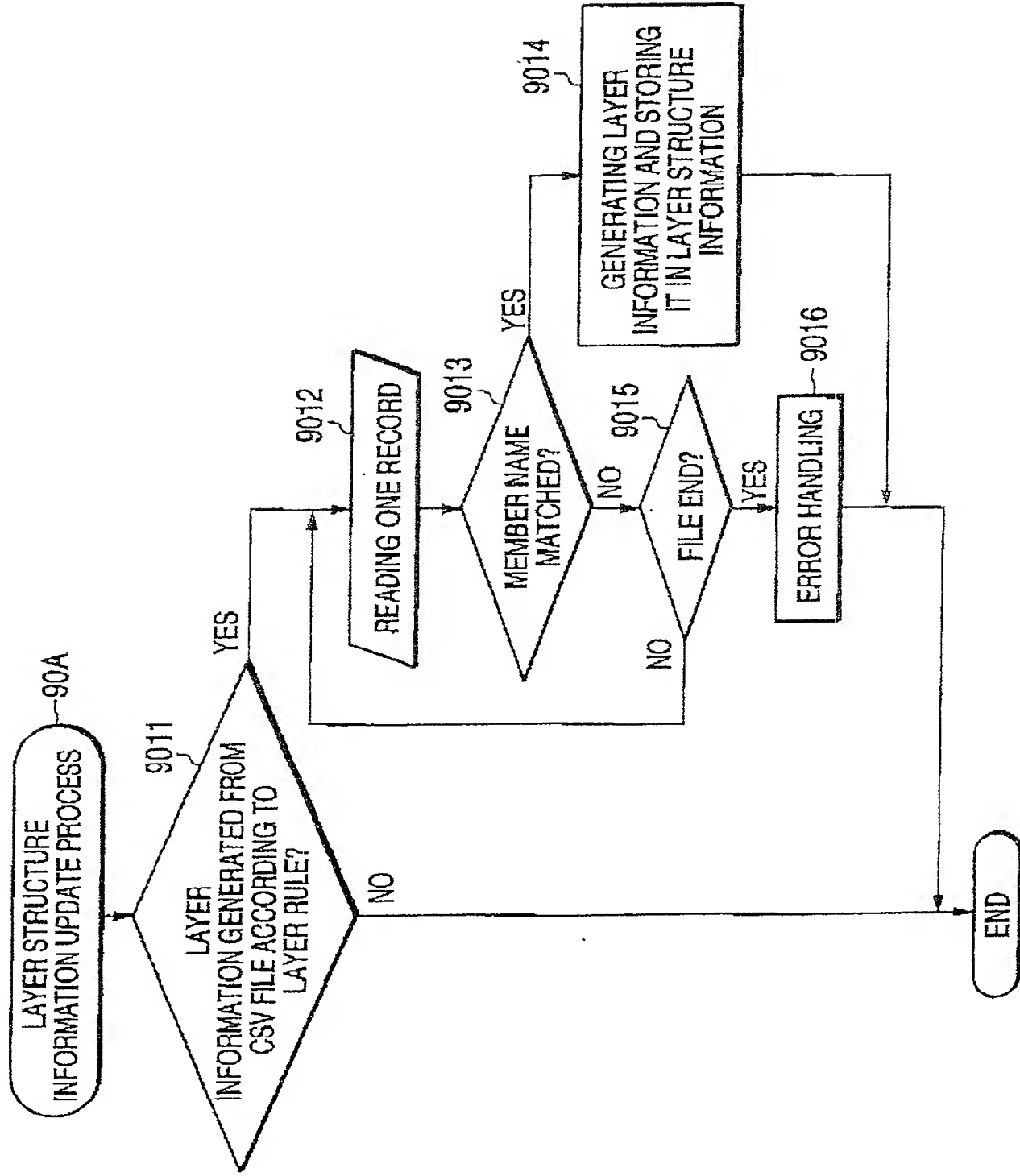


FIG. 14

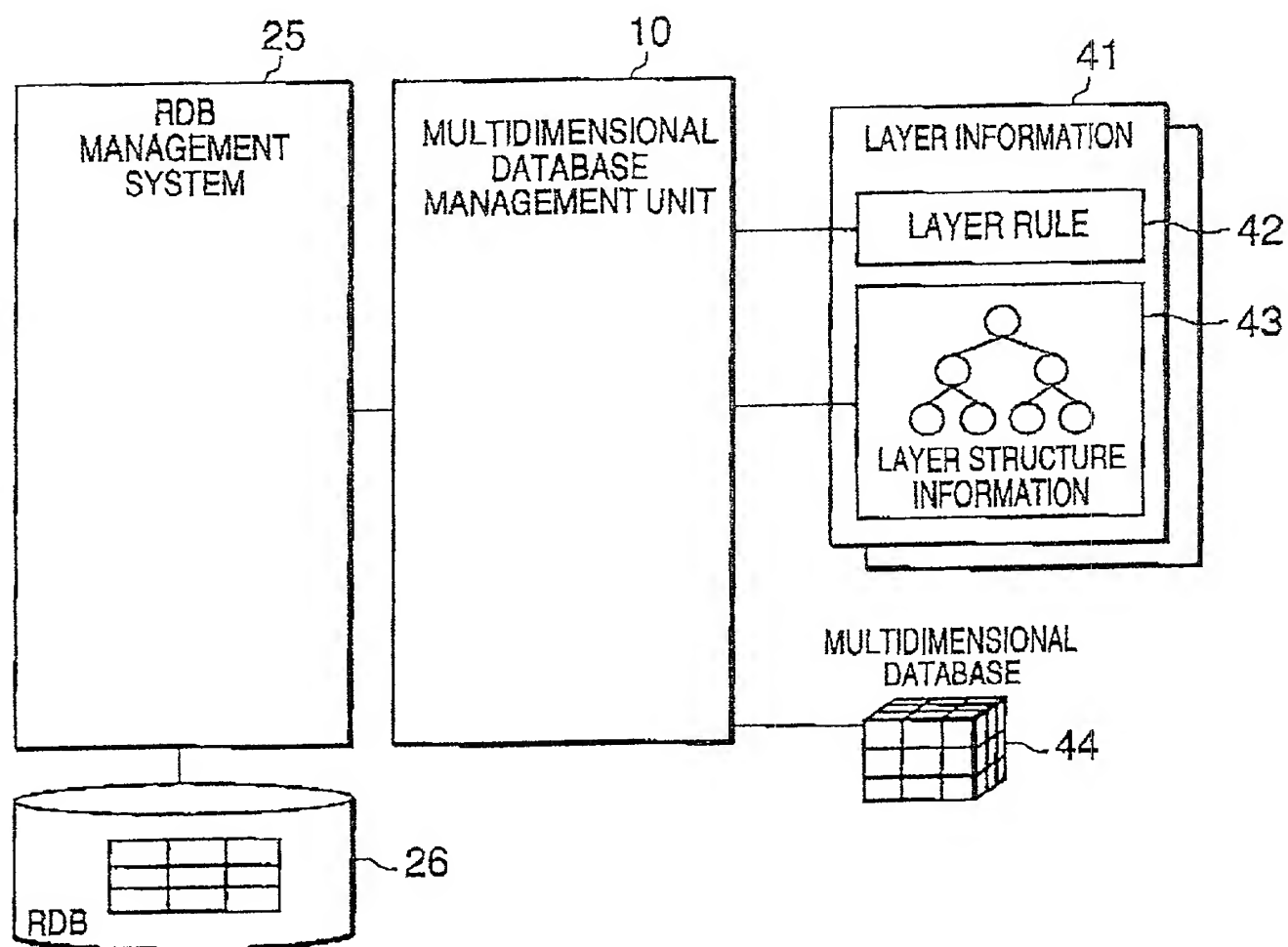


FIG.15

3130	MERCHANDISE DIMENSIONAL LAYER RULE DEFINITION DATA
#LAYER RULE : RDB PRODUCT MASTER LIST #OBTAINING FROM COL1,COL2 FROM RDB PRODUCT MASTER LIST LEVEL 0=SMALL CLASSIFICATION LEVEL 1=LARGE CLASSIFICATION LEVEL 2="ALL MERCHANDISE"	

FIG.16

CONTENT OF RDB PRODUCT MASTER TABLE

LARGE CLASSIFICATION	SMALL CLASSIFICATION
HOME APPLIANCE	WASHERS
HOME APPLIANCE	REFRIGERATORS
AV	TVs
AV	VIDEOS
COMPUTERS	<u>PCs</u>

FIG.17

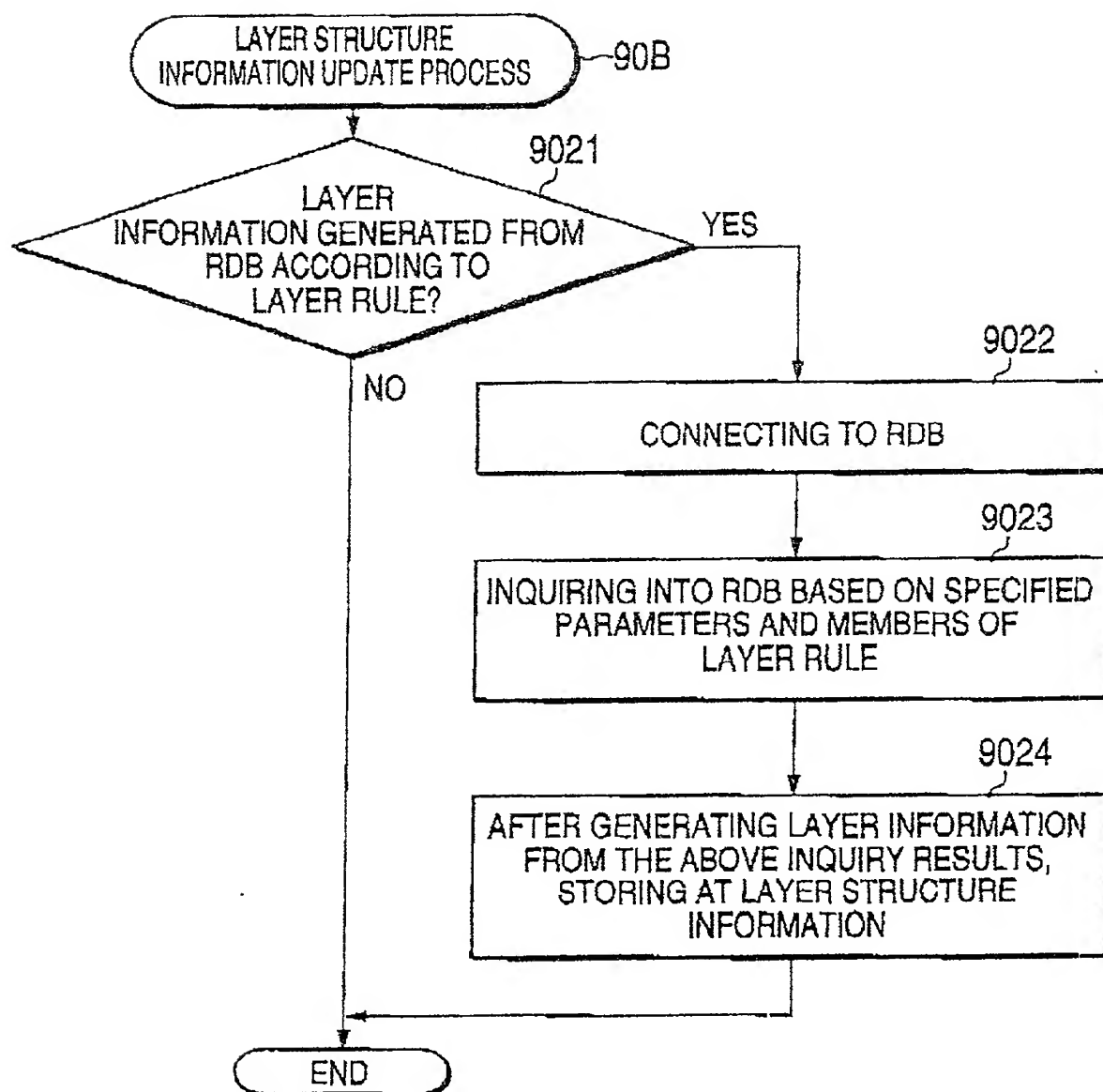


FIG.18

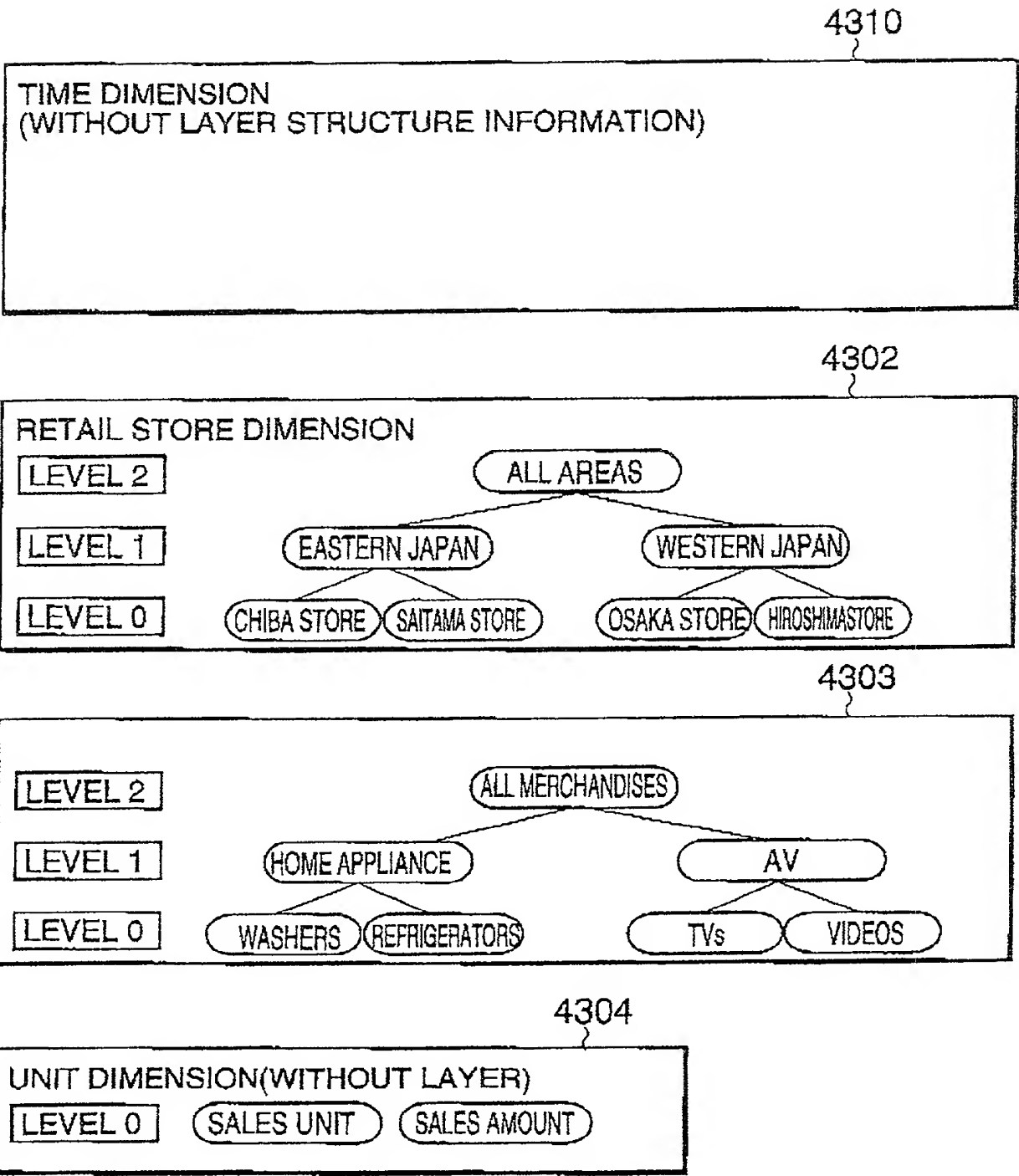


FIG.19

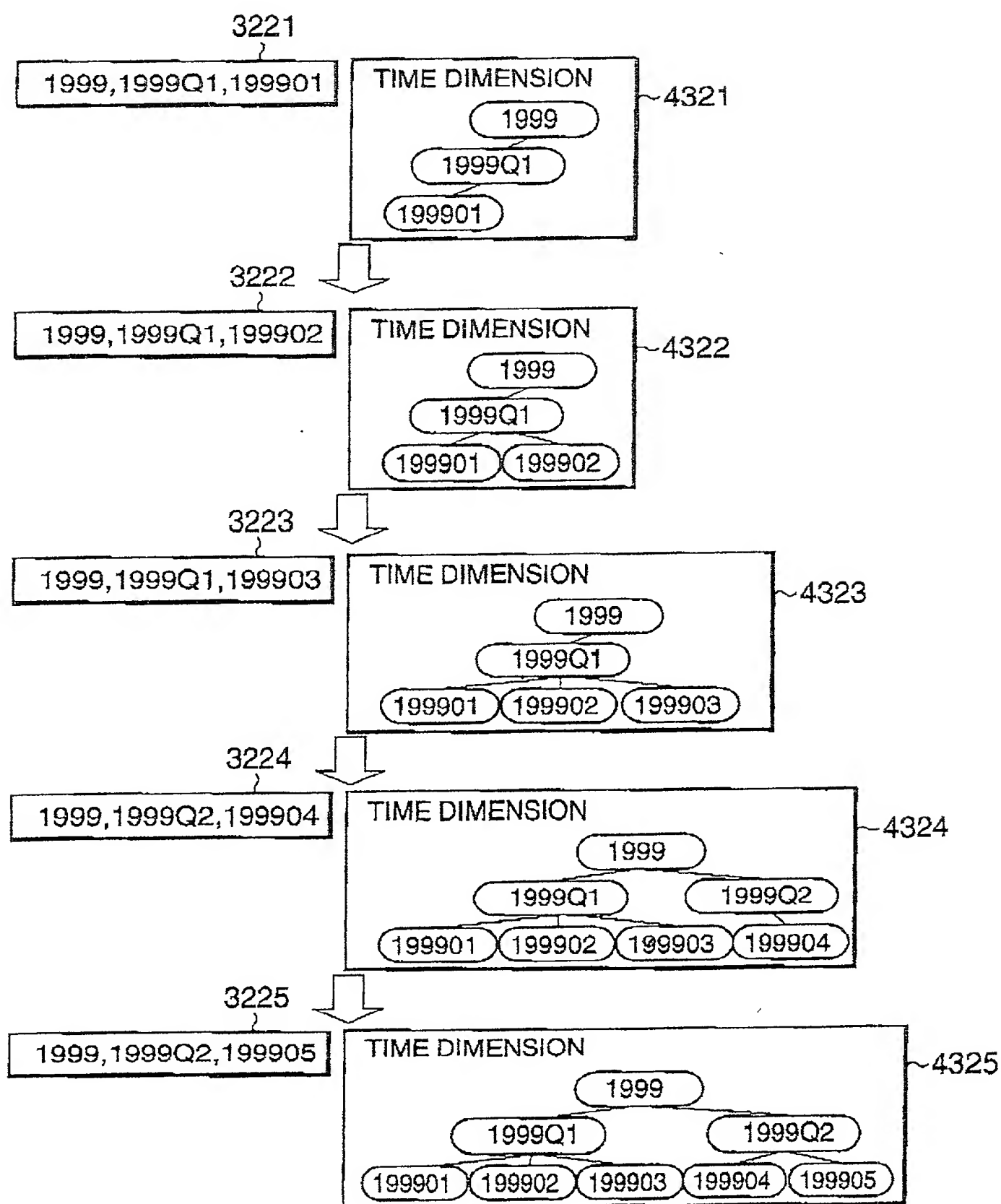


FIG.20 PRIOR ART

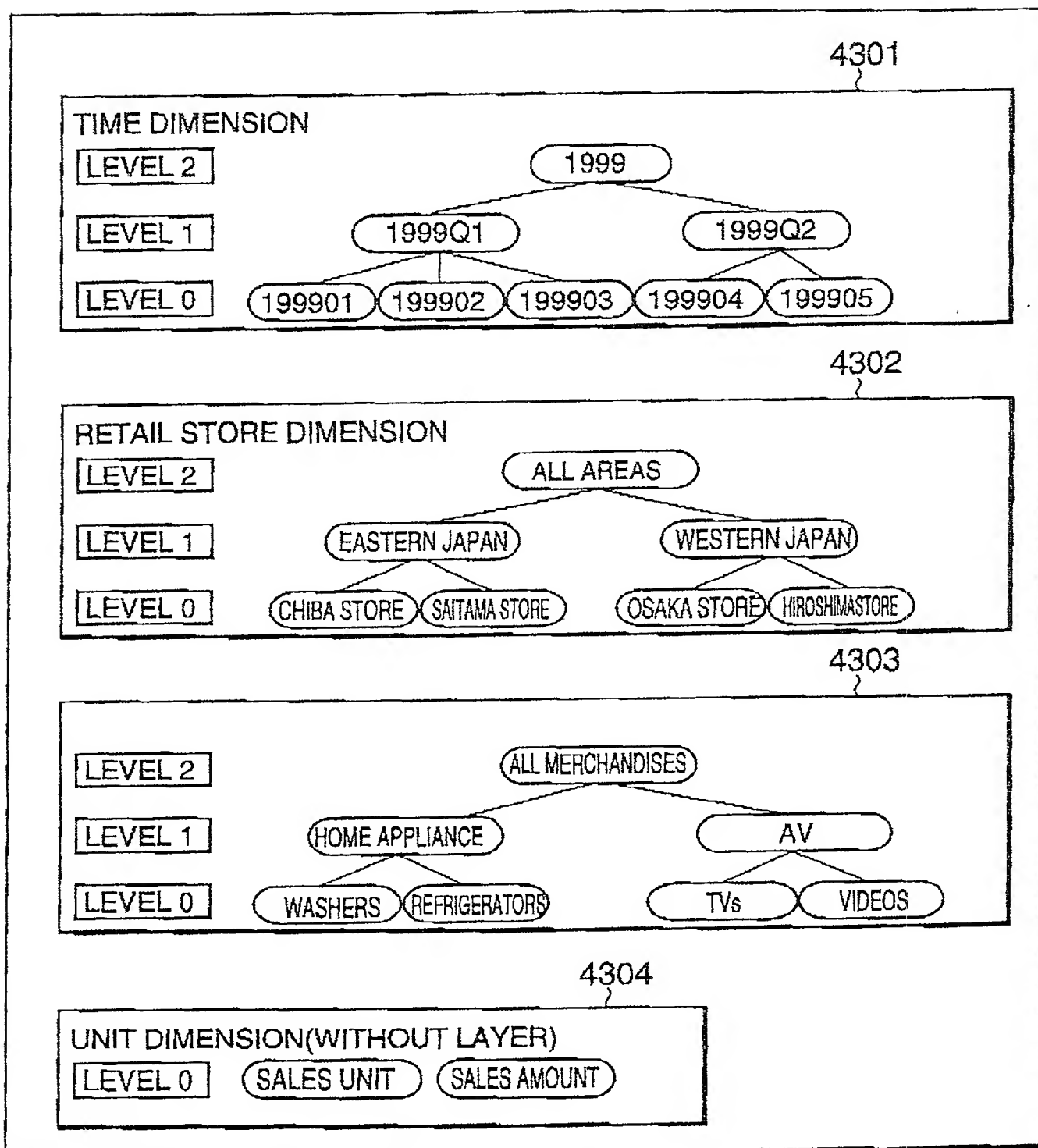


FIG.21 PRIOR ART

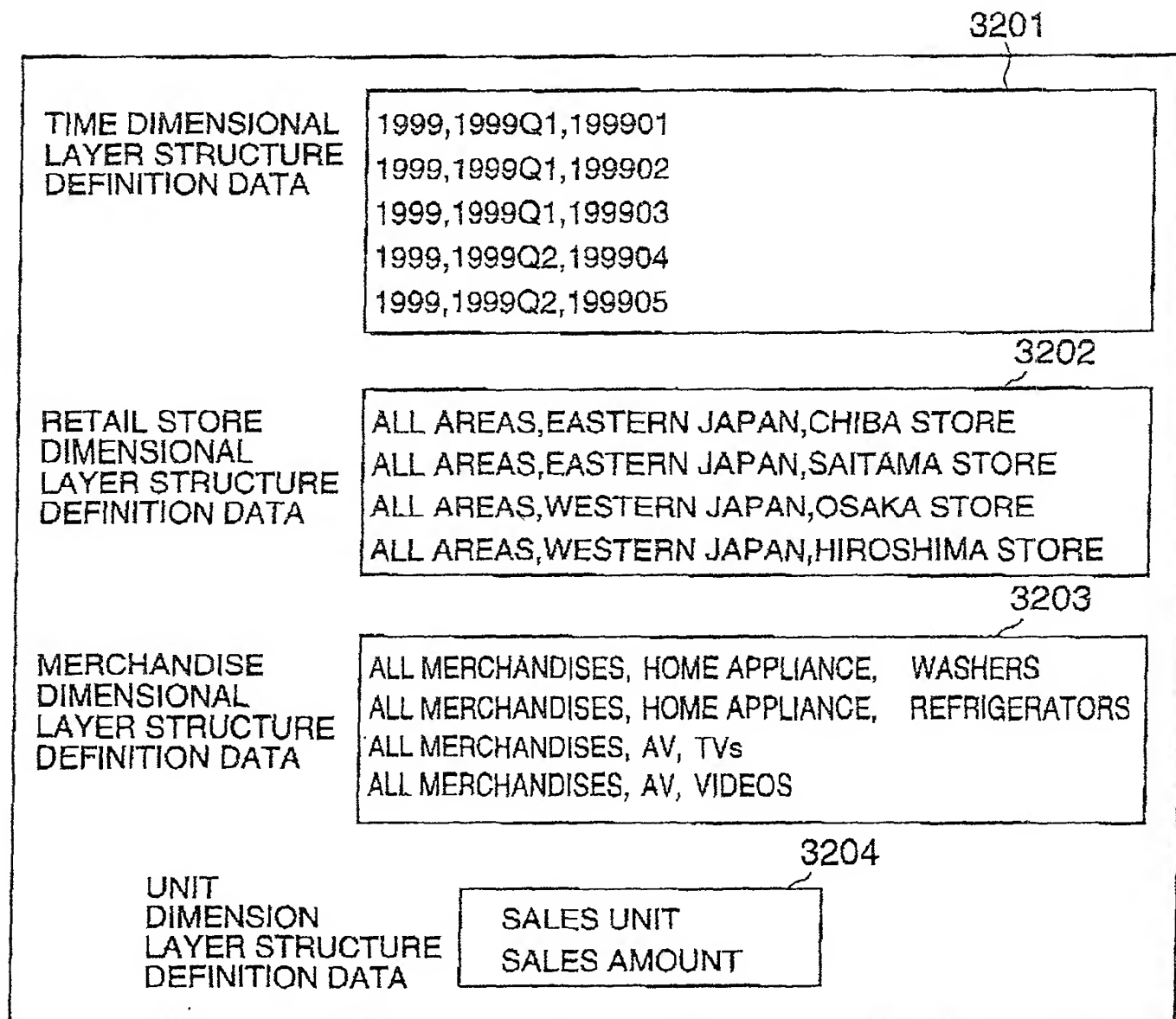


FIG. 21 PRIOR ART

FIG.22 PRIOR ART

3301

199901, SAITAMA STORE,	TVs,	22, 2420000
199901, OSAKA STORE,	REFRIGERATORS,	15, 1350000
199902, HIROSHIMA STORE,	VIDEOS,	42, 2940000
199902, SAITAMA STORE,	WASHERS,	21, 1680000
199903, CHIBA STORE,	VIDEOS,	33, 2310000
199904, HIROSHIMA STORE,	REFRIGERATORS,	18, 1620000
199905, CHIBA STORE,	TVs,	45, 4950000
⋮		

FIG. 22 PRIOR ART

FIG.23 PRIOR ART

MERCHANDISE DIMENSION		TVS	
UNIT DIMENSION		SALES AMOUNT	
TIME DIMENSION		1999	
RETAIL STORE DIMENSION		1999Q1	
		1999Q2	
		199904	
		199905	
		199903	
		199902	
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FIG.24 PRIOR ART

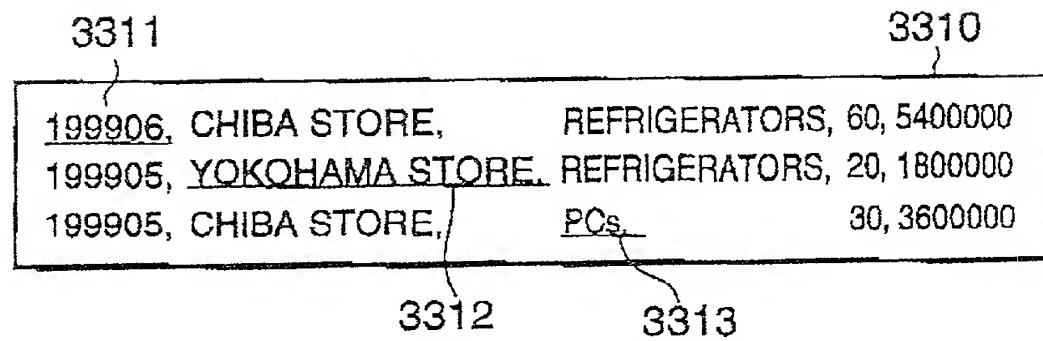


FIG.25 PRIOR ART

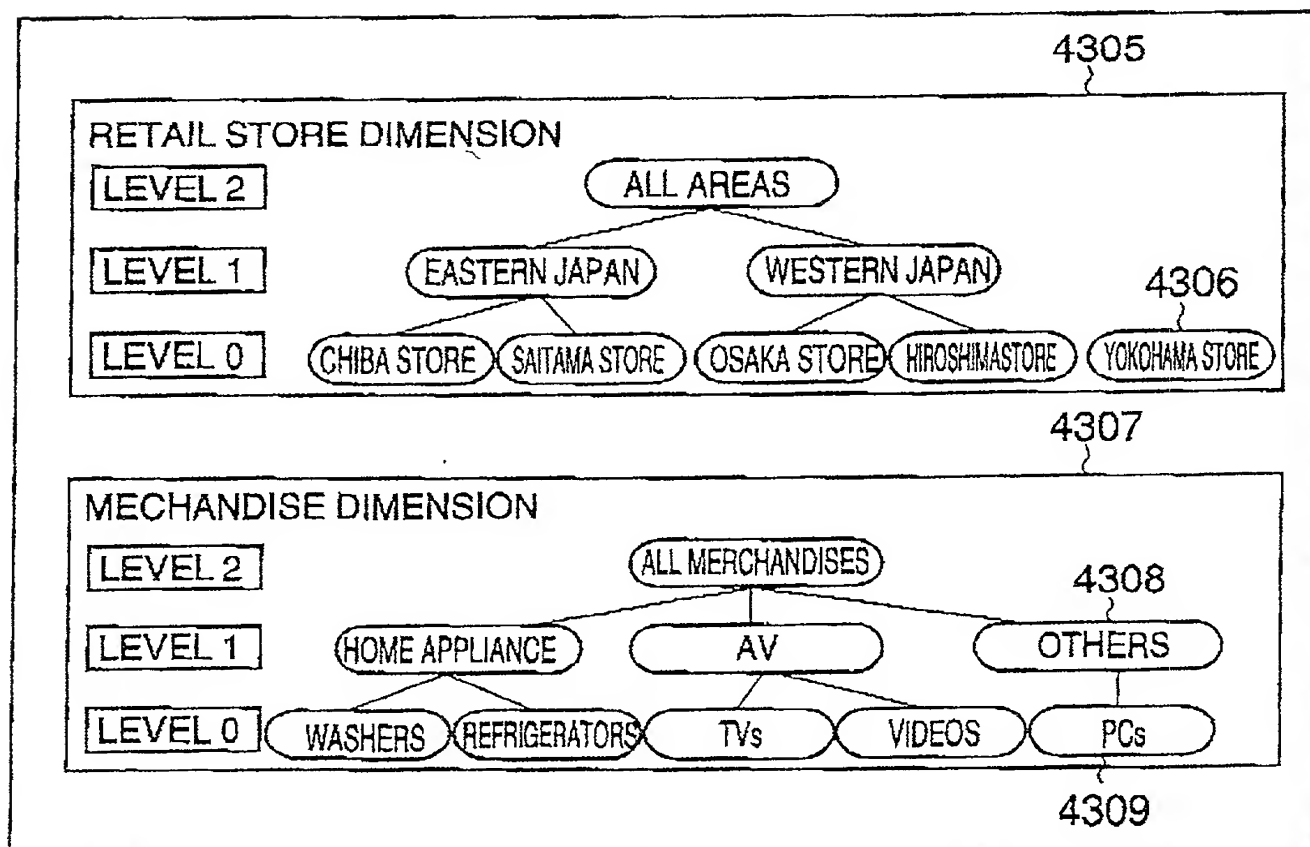


FIG.26

RETAIL STORE DIMENSION LAYER DEFINITION DATA

#MAIN LAYER RULE: #SEQUENTIALLY APPLYING SUBRULES APPLYING SUBRULE STORE_RULE1 APPLYING SUBRULE STORE_RULE2	3140
#SUB LAYER RULE :STORE_RULE1 #FROM CSV FILE,OBTAINING LAYER INFORMATION FROM FILE,CSV FILE1 LEVEL 0=COLUMN 3 LEVEL 1=COLUMN 2 LEVEL 2=COLUMN 1	3141
#SUB LAYER RULE:STORE_RULE 2: #AFTER CHARACTER ROW CONVERSION ON RETAIL STORE, OBTAINING LAYER INFORMATION FROM MEMBER NAME LEVEL 0= \$ MEMBER NAME LEVEL 1={ S/¥(.JAPAN¥). \$/¥ 1/ } LEVEL 2={ ALL SALES TERRITORIES }	3142

FIG.27

3340

199901, EASTERN JAPAN SAPPORO STORE, TVS,17, 1870000
199902, HIROSHIMA STORE, VIDEOS, 42, 2940000
199903, EASTERN JAPAN SAPPORO STORE, REFRIGERATOR,15,1350000

FIG.28

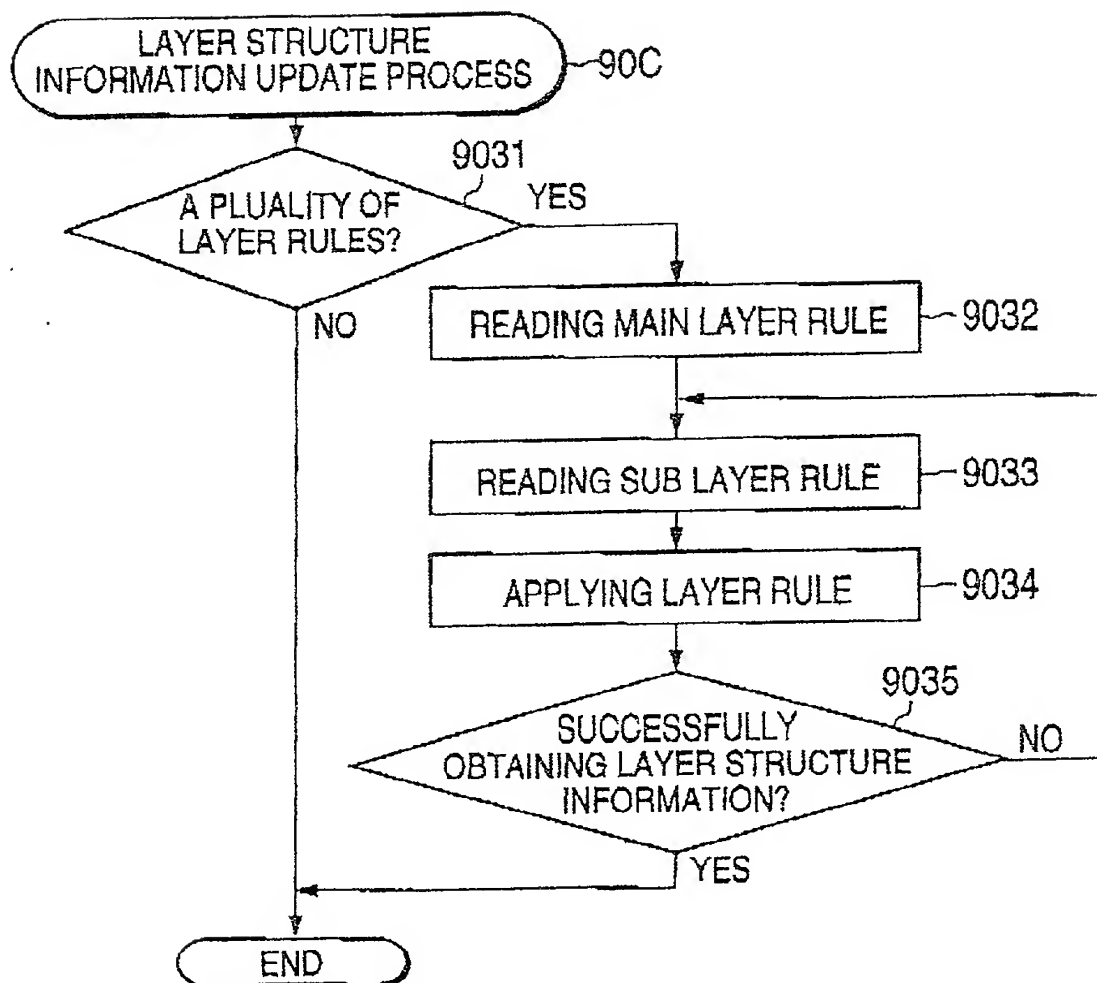


FIG.29

